

Serial No. 10/696,962
Art Unit 1714

Amendment A

Amendments to and Listing of the Claims:

1. (Currently amended) A non-halogenated flame retardant composition comprising:
a polypropylene polymer polymeric base material;
a non-halogenated phosphate salt flame retardant material present in a concentration of about 25 percent to no less than about 45 percent by weight of the composition; and
a synergist material present in a concentration of about 1 percent by weight of the composition, the synergist being free from heavy metals, the synergist material being a clay,
wherein the flame retardant composition achieves a flammability rating of at least V-2 when tested in accordance with UL testing conditions.
2. Cancelled.
3. (Currently amended) The non-halogenated flame retardant composition in accordance with claim [[2]] 1 wherein the polypropylene is a homopolymer.
4. Cancelled.
5. Cancelled.
6. (Currently amended) The non-halogenated flame retardant composition in accordance with claim [[5]] 1 wherein the clay is a nanoclay.
7. (Currently amended) The non-halogenated flame retardant composition in accordance with claim [[5]] 1 wherein the clay has a particle size of 500 nanometers or less.
8. Cancelled.

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9. (Currently amended) A non-halogenated flame retardant composition comprising:
- a ~~polypropylene polymer~~ base material present in a concentration of about 60 percent to about 70 percent by weight of the composition;
- a non-halogenated phosphate salt flame retardant material present in a concentration of about 30 percent to about 35 percent by weight of the composition; and
- a synergist material present in a concentration of about 1 percent by weight of the composition, the synergist being free from heavy metals, the synergist material being a clay,
- wherein the flame retardant composition achieves a flammability rating of at least V-2 when tested in accordance with UL testing conditions.
10. Cancelled.
11. (Currently amended) The non-halogenated flame retardant composition in accordance with claim ~~10~~ 9 wherein the polypropylene is a homopolymer of polypropylene.
12. Cancelled.
13. Cancelled.
14. (Currently amended) The non-halogenated flame retardant composition in accordance with claim 9 wherein the clay is a nanoclay.
15. (Currently amended) The non-halogenated flame retardant composition in accordance with claim 9 wherein the clay has a particle size of 500 nanometers or less.
16. (Currently amended) A non-halogenated flame retardant composition

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comprising:

a polypropylene base material present in a concentration of about 60 percent to about 70 percent by weight of the composition;

a phosphate salt non-halogenated flame retardant material present in a concentration of about 30 percent to about 35 percent by weight of the composition; and

a clay material synergist present in a concentration of about 1 percent by weight of the composition, the clay material synergist being free from heavy metals,

wherein the flame retardant composition achieves a flammability rating of at least V-2 when tested in accordance with UL testing conditions.

17. (Currently amended) The non-halogenated flame retardant composition in accordance with claim 16 wherein the polypropylene base material is present in a concentration of about 68 percent by weight of the composition, the phosphate salt non-halogenated flame retardant material is present in a concentration of about 30 percent by weight of the composition and the clay material synergist is present in a concentration of about 1 percent by weight of the composition.